Canada-Manitoba

RED RIVER VALLEY RING DYKE UPGRADING AGREEMENT

Annual Report

1983 - 1984

•June, 1984

CANADA-MANITOBA

RED RIVER VALLEY RING DYKE UPGRADING AGREEMENT

ANNUAL REPORT

FOR

THE PERIOD

APRIL 1, 1983 TO MARCH 31, 1984

Environment Canada
Inland Waters Directorate
Western and Northern Region
1901 Victoria Avenue
Regina, Saskatchewan
S4P 3R4

Province of Manitoba
Department of Natural Resources
Water Resources Branch
1577 Dublin Avenue
Winnipeg, Manitoba
R3E 3J5

June 84

CANADA-MANITOBA RED RIVER VALLEY DYKE UPGRADING AGREEMENT
IMPLEMENTATION COMMITTEE

The Honourable Charles Caccia
Minister
Department of the Environment
Ottawa, Ontario
K1A OH3

The Honourable Al Mackling
Minister
Department of Natural Resources
Winnipeg, Manitoba
R3C OV8

Gentlemen:

I am pleased to present the second Annual Report of the Implementation Committee for the administration of the Red River Valley Ring Dyke Upgrading Agreement which was signed on March 10, 1983. This report covers the work undertaken during the period April 1, 1983 to March 31, 1984.

Progress in the second year of the agreement was minimal due to the reluctance of the local governments for the communities to sign agreements with the Province to cost share in the capital costs to upgrade the dyking systems and to cost share in the annual maintenance costs. Three of the eight communities, namely, St. Adolphe, Brunkild, and Morris, have signed and construction was initiated at Brunkild and St. Adolphe during 1983-84.

During the reporting period total sharable expenditures were $330,792.00. Of this amount 45% or $148,856.40 was Canada's share and 55% or $181,935.60 was Manitoba's share.

Yours sincerely,

R. A. Halliday
Chairman
Implementation Committee
1st Floor, Motherwell Building
1901 Victoria Avenue
Regina, Saskatchewan
S4P 3R4

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B. Location Plans of the Dyking Systems of the Eight Red River Valley Communities

RED RIVER VALLEY RING DYKE UPGRADING AGREEMENT

On March 10, 1983 the Government of Canada and Manitoba signed "An Agreement Respecting the Upgrading of Ring Dykes in Certain Communities in the Red River Valley". This agreement provides for the upgrading of the existing dyking systems of eight communities in the Red River Valley to provide flood protection to the one percent flood level.

1. Introduction

The second annual report reviews work activities and programs under the Ring Dyke Upgrading Agreement during the period from April 1, 1983 to March 31, 1984.

The Agreement provides up to $4.5 million to improve the existing ring dykes at Emerson, Letellier, Dominion City, St. Jean Baptiste, Morris, Rosenort, Brunkild and St. Adolphe to enable them to withstand a one percent flood. The cost of the works to be undertaken under this agreement are to be shared 45 percent by Canada and 55 percent by Manitoba. Manitoba has instituted an agreement process with the eight communities whereby the local governments involved would contribute 5 percent of the capital costs to upgrade the dyking systems from the 1950 flood level to the one percent flood level and 25% of the annual maintenance costs. Thus, in those instance where portions of the dyking systems are not up to the 1950 level the capital cost of such portions will be shared 55 percent by Manitoba and 45 percent by Canada.

The communities are shown on the location map in Appendix A. Location plans for the dyking systems are shown in Appendix B.

2. Organization

Under the terms of the Ring Dyke Upgrading Agreement an Implementation Committee was established consisting of one member appointed by the Minister of the Environment for Canada and one member appointed by the Minister of Natural Resources for Manitoba. The members for 1983-84 were:

Canada	Manitoba
Mr. R. A. Halliday Chief Water Planning and Management Branch Inland Waters Directorate Environment Canada	Mr. N. Mudry Chief of Water Management Water Resources Branch Department of Natural Resources

Mr. R. A. Halliday replaced Mr. S. Fenety as the member from Environment Canada on September 1, 1983 and acted as Chairman for the remainder of the year. Mr. G. B. Felton of Water Planning and Management Branch, Environment Canada served as Secretary.

The Implementation Committee met on September 26, 1983 and March 8, 1984.

3. Progress

Of the eight communities included in this agreement only three communities have signed agreements with Manitoba to cost share in the upgrading of their dyking systems. Those that have signed are: The R.M. of Ritchot for St. Adolphe (signed June 7, 1983), the R.M. of MacDonald for Brunkild (signed July 28, 1983) and the Town of Morris (signed January 10, 1984). Although the other five communities have not as yet signed, some engineering design

work, which is cost shareable under the agreement was undertaken.

The following is the progress report on all the communities for the 1983-84 fiscal year.

Emerson

No actual construction was undertaken. Design work is underway. Expenditures were $3,834.76.

Letellier

No actual construction was undertaken. Design work is 90% complete. Expenditures were $7,367.42.

St. Jean Baptiste

No actual construction was undertaken. Design work is 95% complete. Expenditures were $369.20.

Dominion City

No construction or design work was undertaken.

Morris

No actual construction was undertaken. Design is 85% complete. Expenditures were $1,045.11.

Rosenort

No actual construction was undertaken. Design work is 85% complete. Expenditures were $4,369.11.

Brunkild

All the necessary right-of-way for the dyking system was purchased. The gravity outlet structure was completed under rentals agreement and all

necessary culverts for the proposed improvements to the internal drainage system were purchased. Design work is 85% complete. Expenditures were $177,740.10.

St. Adolphe

Approximately 25% of the necessary right-of-way was purchased. Construction consisted of the raising and upgrading of the west dyke under rentals agreement. Design work is 60% complete. Expenditures were $136,066.30.

Total Expenditures

Expenditures for the 1983-84 fiscal year totalled $330,792.00. Table 1 indicates expenditures under the Agreement for 1982-1984.

4. Amendments to the Present Agreement

The present dyke upgrading agreement was to take effect April 1, 1982 and end March 31, 1985. Because the agreement was not signed until March 10, 1983 and because of the delays by the Province in obtaining agreements with the local governments of the eight communities the Implementation Committee determined that an extension to the agreement was necessary to finish the projects.

Also the Studies Sub-Committee which was established under the terms of the Canada-Manitoba Flood Damage Reduction Agreements signed on December 20, 1976, reported to the Steering Committee of the Canada-Manitoba Flood Damage Reduction Program on July 27, 1982 that construction of dykes and related works for protecting the Village of Ste. Rose du Lac to the one percent flood level was economically viable and would reduce potential disaster assistance payments to the Village. They also recommended that measures be undertaken to protect the water treatment plan in the Town of Souris to ensure a continuous supply of potable water in times of flooding.

The Steering Committee on June 30, 1983 agreed that the existing Red River Valley Ring Dyke Upgrading Agreement should be amended to extend the time of the agreement as well as to include flood protection works for Ste. Rose du Lac and Souris. Negotiations between the two levels of government to amend the agreement were initiated during the 1983-84 fiscal year.

TABLE 1

CANADA-MANITOBA RED RIVER VALLEY
RING DYKE UPGRADING AGREEMENT

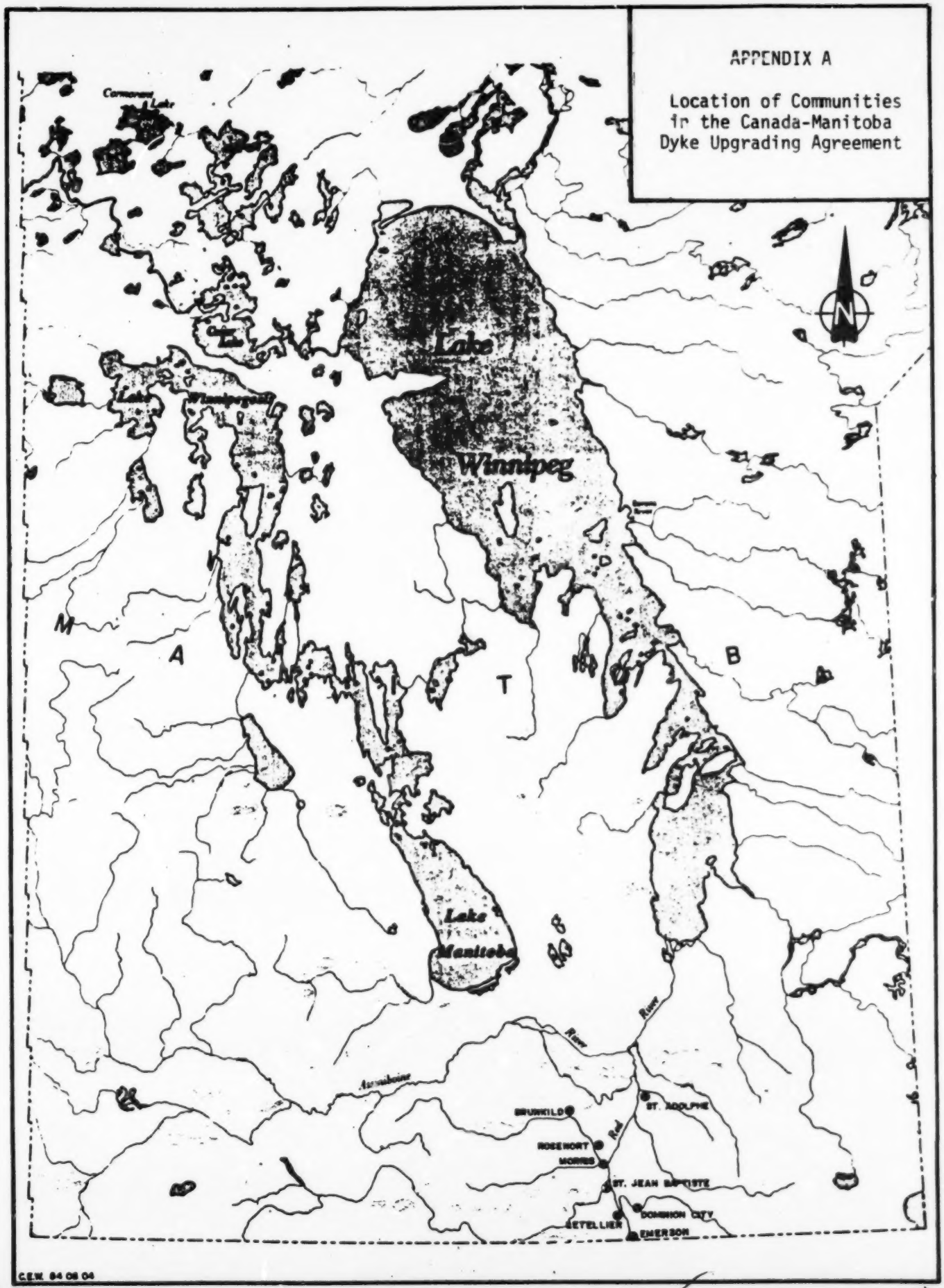
EXPENDITURES FOR 1982-84

Community	1982/83*	1983/84
Emerson	-	$ 3,834.76
Letellier	-	7,367.42
Dominion City	-	-
St. Jean Baptiste	$198,128.74	369.20
Morris	131,004.39	1,045.11
Rosenort	10,209.81	4,369.11
Brunkild	-	177,740.10
St. Adolphe	-	136,066.30
TOTAL	$339,342.84	$330,792.00

*During 1982-83 there were no funds expended because of the late signing of the agreement. The expenditures indicated are for those retroactive costs incurred by the Province prior to the agreement signing as allowed under clause 4(5) of the Agreement.

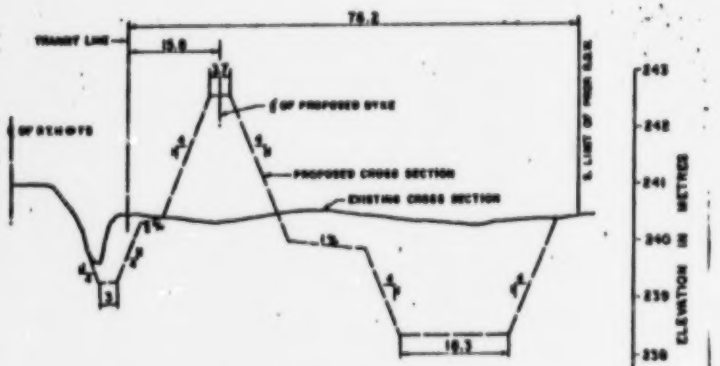
APPENDIX A

Location of Communities in the Canada-Manitoba Dyke Upgrading Agreement



APPENDIX B

LOCATION PLANS OF THE DYKING SYSTEMS
OF THE EIGHT RED RIVER VALLEY COMMUNITIES



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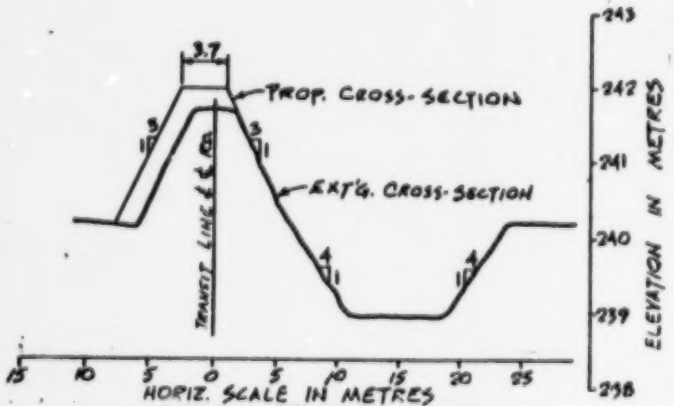

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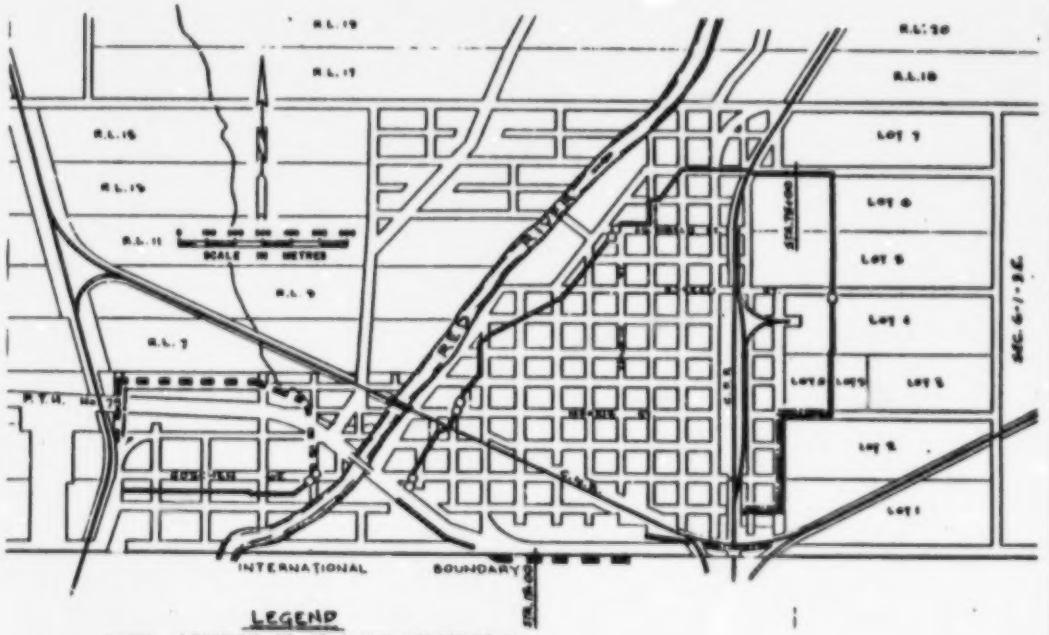


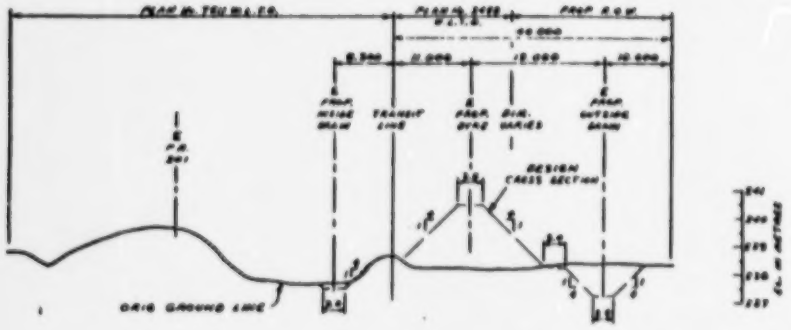
LEGEND

- LOCATION OF PROPOSED UPGRADING OF PERMANENT DYKING SYSTEM.
- LOCATION OF PROPOSED NEW DYKES
- EXISTING PUMPING STATION
- EXISTING GRAVITY OUTLET CHAMBER.
- LOCATION OF PROPOSED GRAVEL SURFACE ROADWAY.

CANADA - MANITOBA AGREEMENT RESPECTING THE UPGRADING OF DYKES

PROVINCE OF MANITOBA
DEPARTMENT OF NATURAL RESOURCES
WATER RESOURCES BRANCH

LOCATION PLAN AND TYPICAL CROSS SECTIONS FOR TOWN OF EMERSON



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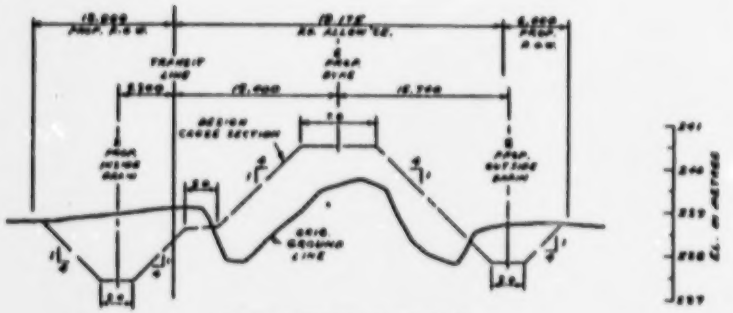

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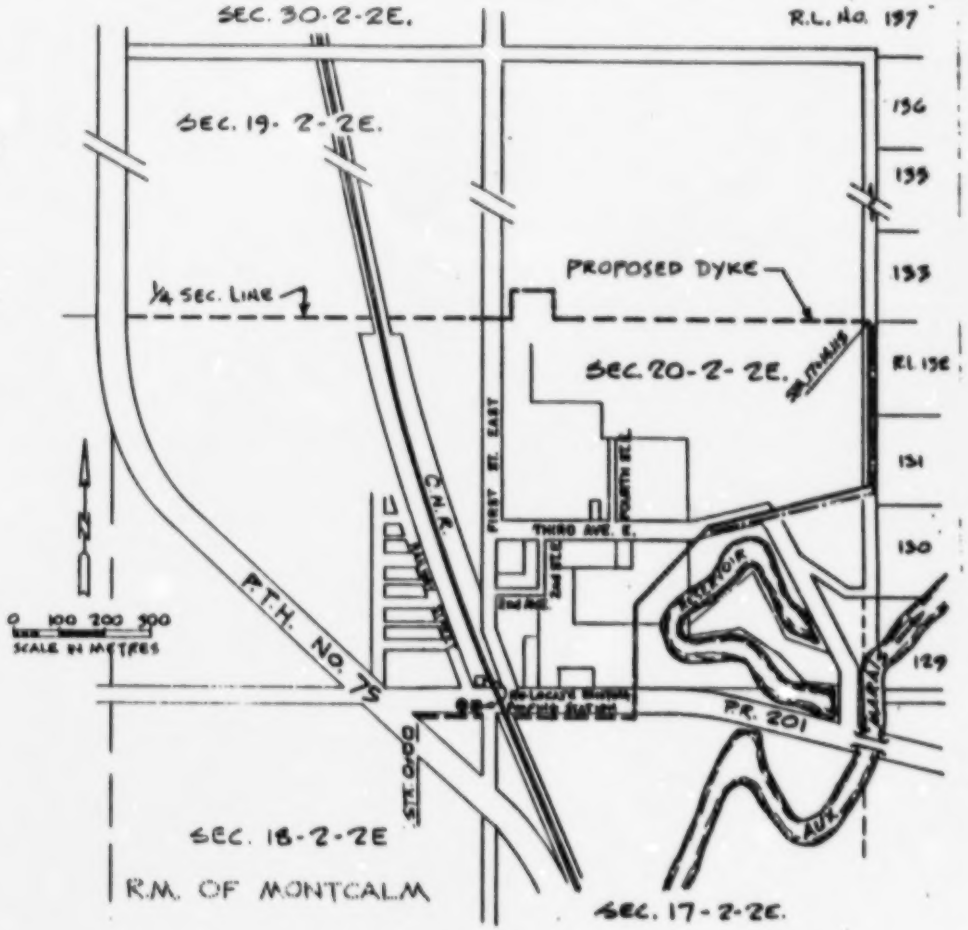


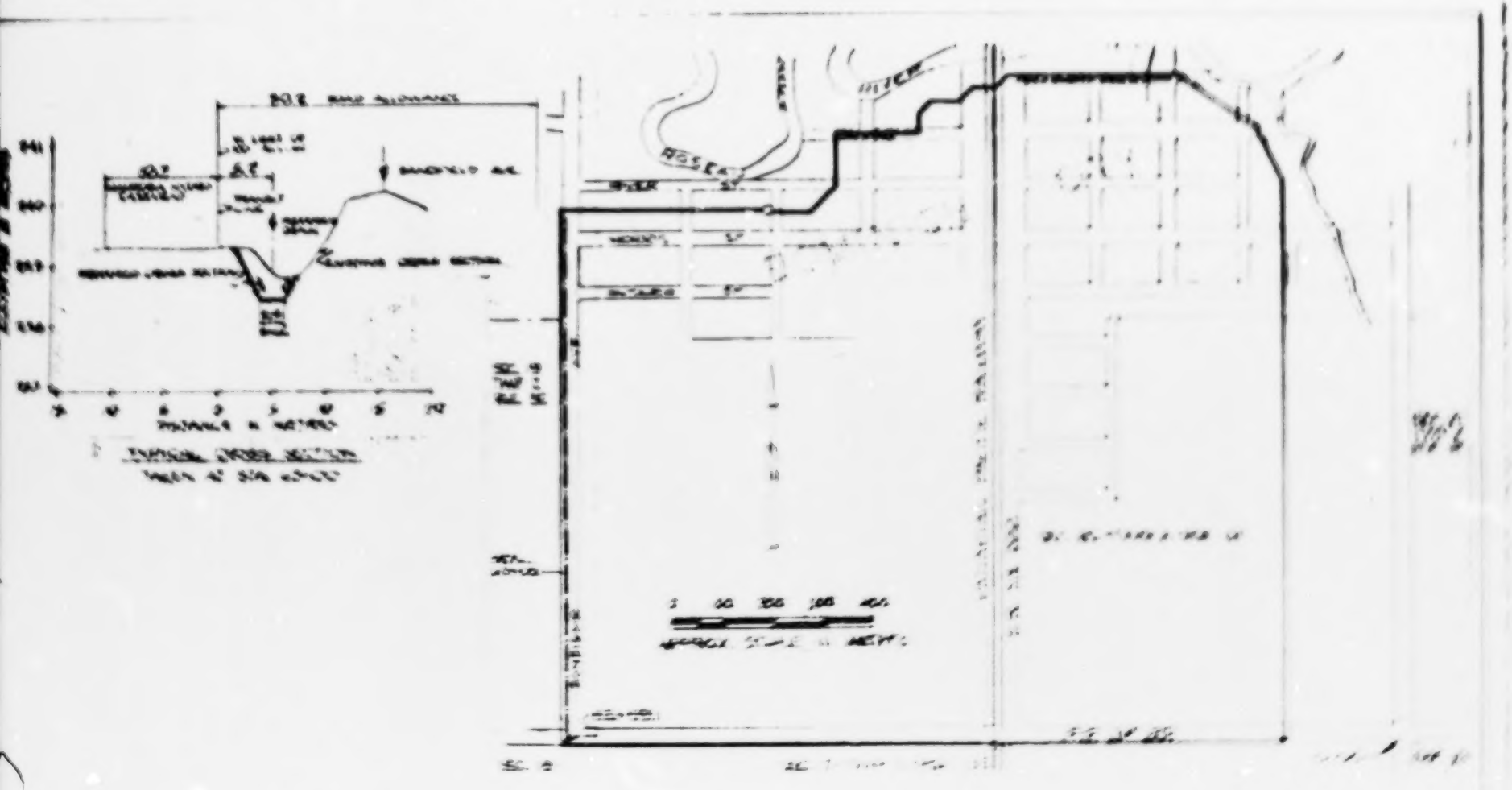
LEGEND

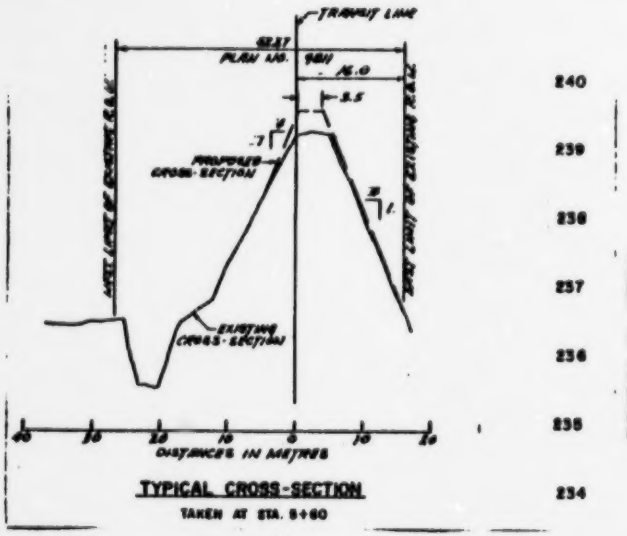
- LOCATION OF PROPOSED UPGRADING OF PERMANENT DYKING SYSTEM.
- LOCATION OF PROPOSED NEW DYKING.
- EXISTING PUMPING STATION.
- RE-LOCATED PUMPING STATION.
- PROPOSED GRAVITY OUTLET CHAMBER.
- LOCATION OF PROPOSED GRAVEL SURFACE ROADWAY.

PROVINCE OF MANITOBA
DEPARTMENT OF NATURAL RESOURCES
WATER RESOURCES BRANCH

CANADA - MANITOBA AGREEMENT
RESPECTING THE UPGRADING OF DYKES

LOCATION PLAN AND TYPICAL CROSS SECTIONS FOR VILLAGE OF LETELLIER





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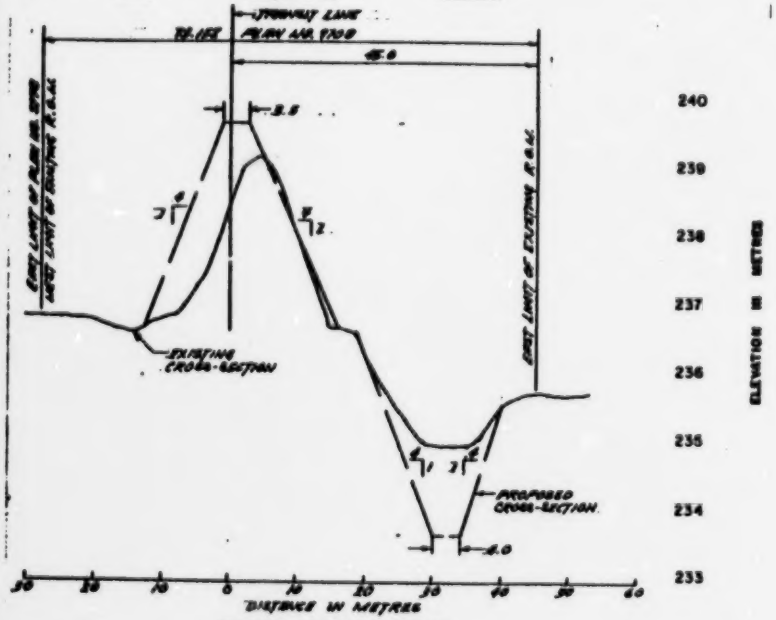

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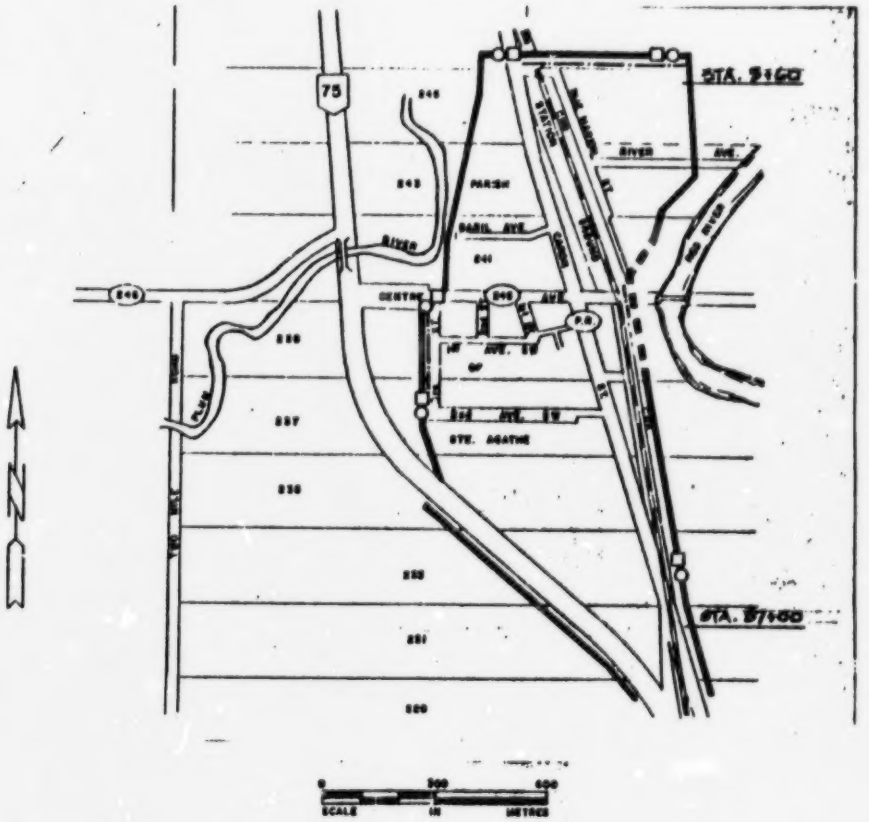

LEGEND

- LOCATION OF PROPOSED UPGRADING OF PERMANENT DYKE SYSTEM.
- LOCATION OF PROPOSED NEW DYKE
- EXISTING PUMPING STATION
- EXISTING GRAVITY OUTLET CHAMBER
- LOCATION OF PROPOSED GRAVEL SURFACE ROADWAY.

CANADA - MANITOBA AGREEMENT RESPECTING THE UPGRADING OF DYKES

PROVINCE OF MANITOBA
DEPARTMENT OF NATURAL RESOURCES
WATER RESOURCES BRANCH

PREPARED | DRAWN F.R. | CHECKED | SUBMITTED | APPROVED

LOCATION PLAN AND TYPICAL CROSS SECTIONS FOR VILLAGE OF ST. JEAN BAPTISTE

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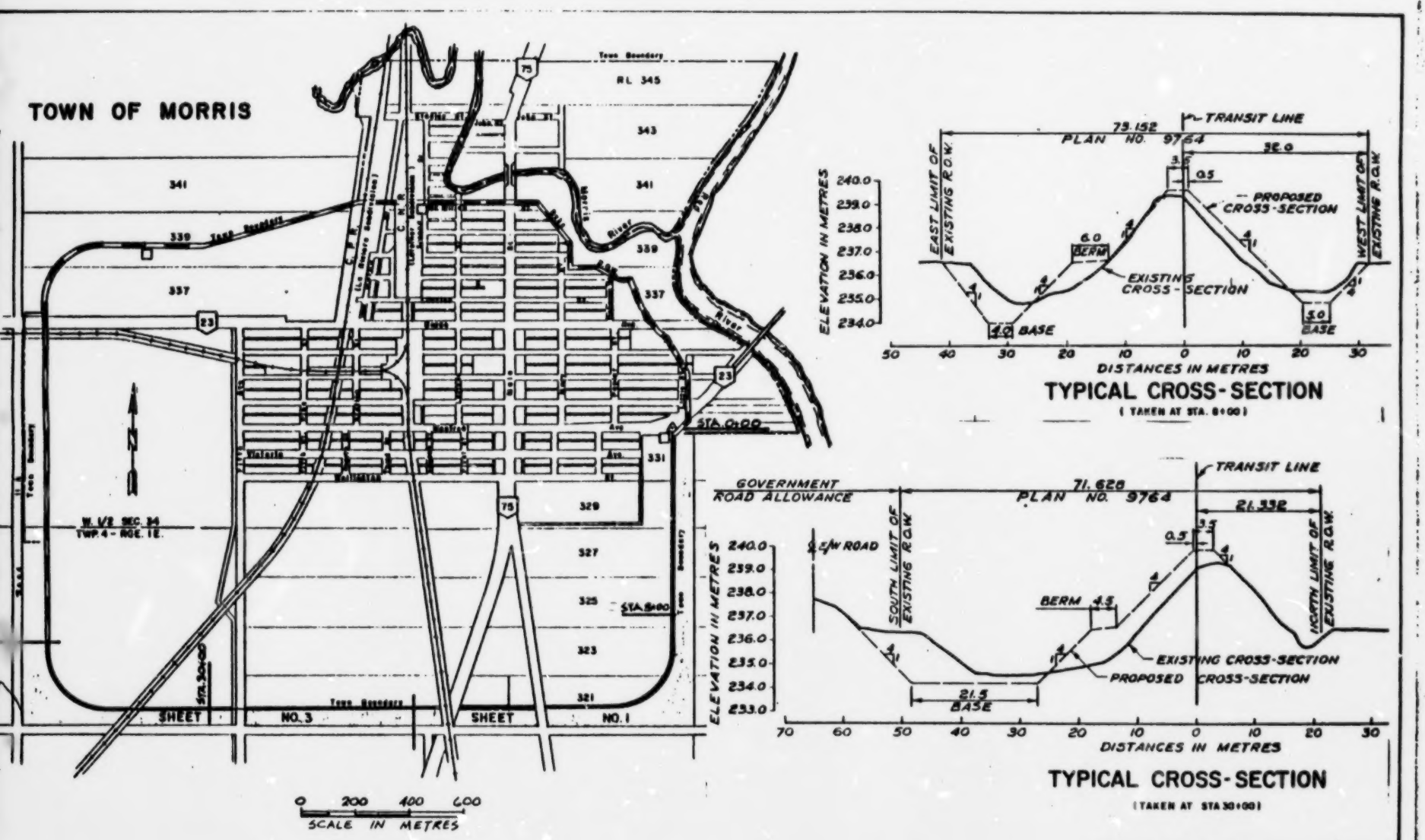

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TYPICAL CROSS-SECTION

(TAKEN AT STA 30+00)

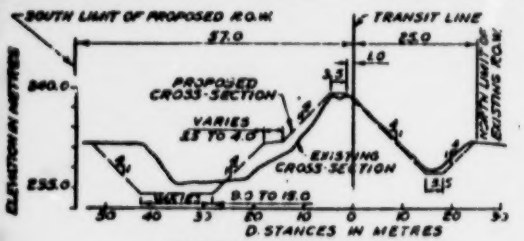
LEGEND

- LOCATION OF PROPOSED UPGRADING OF PERMANENT DYKING SYSTEM
- EXISTING DYKES NOT REQUIRING IMPROVEMENT
- EXISTING PUMPING STATION

PROVINCE OF MANITOBA
DEPARTMENT OF NATURAL RESOURCES
WATER RESOURCES BRANCH

CANADA - MANITOBA AGREEMENT
RESPECTING THE UPGRADING OF DYKES

LOCATION PLAN AND TYPICAL CROSS SECTIONS FOR TOWN OF MORRIS



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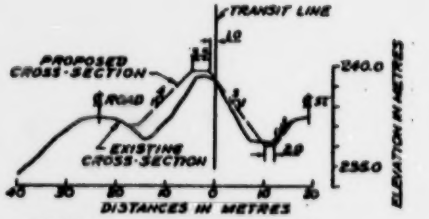

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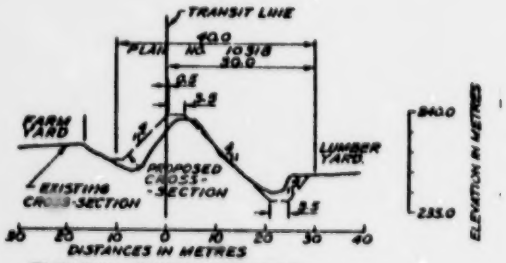

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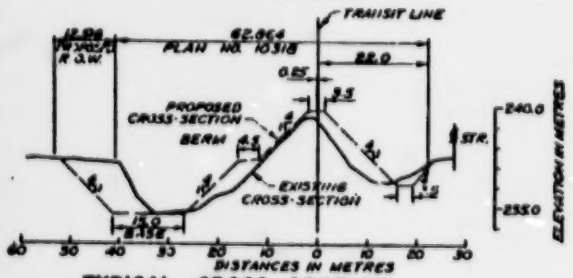

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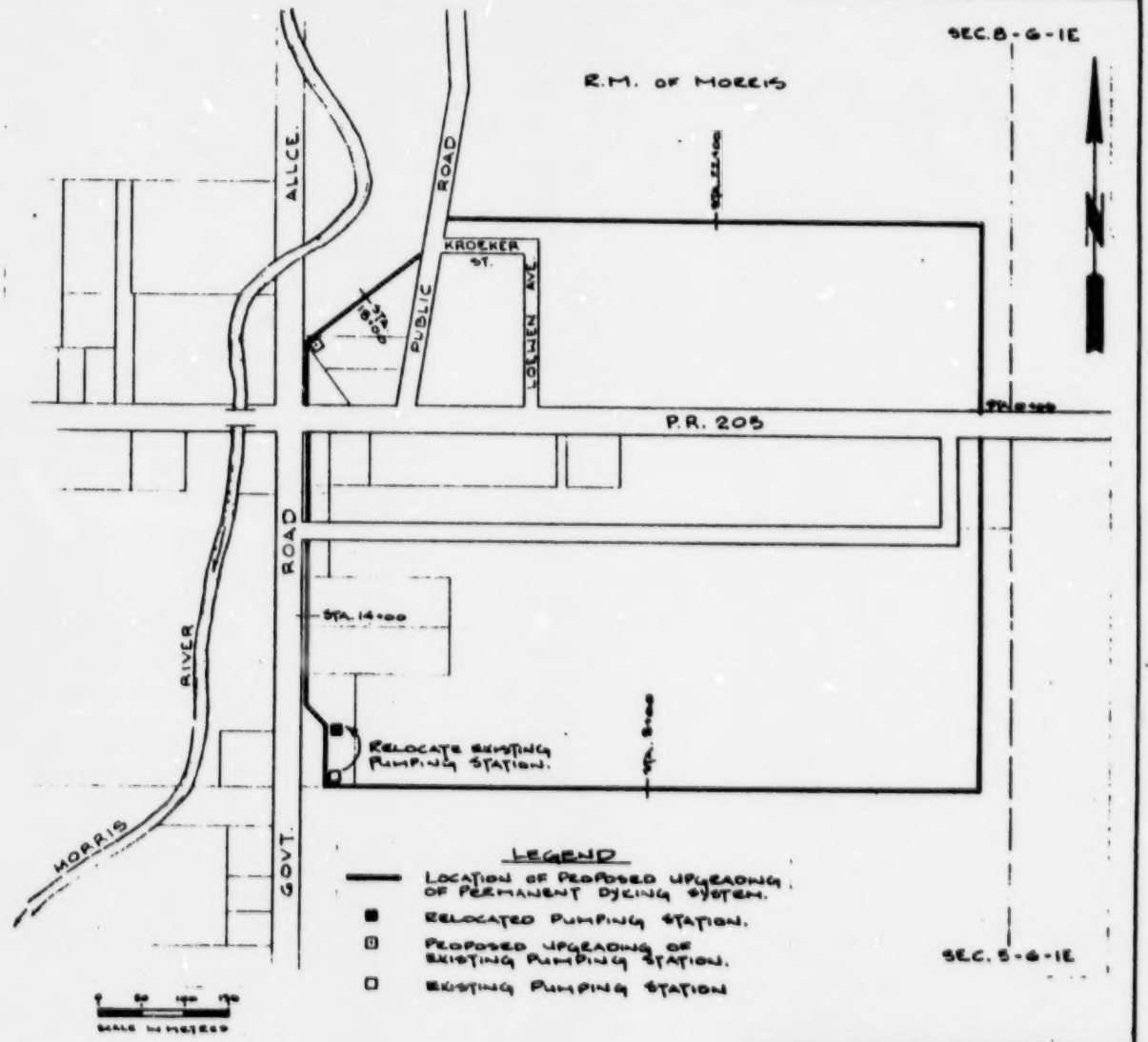
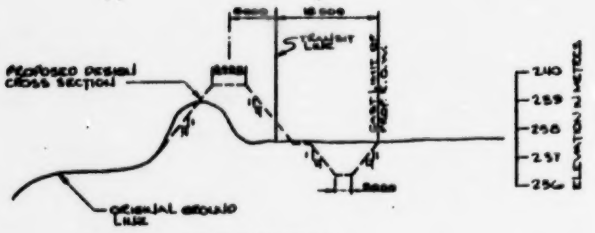


CANADA - MANITOBA AGREEMENT RESPECTING THE UPGRADING OF DYKES

PROVINCE OF MANITOBA
DEPARTMENT OF NATURAL RESOURCES
WATER RESOURCES BRANCH

LOCATION PLAN AND TYPICAL CROSS SECTIONS FOR VILLAGE OF ROSENORT



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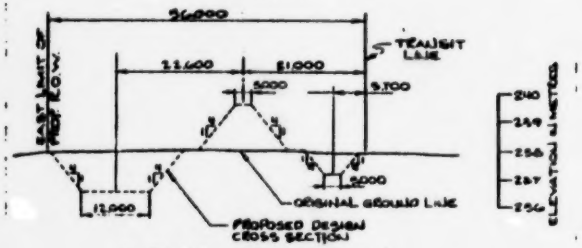

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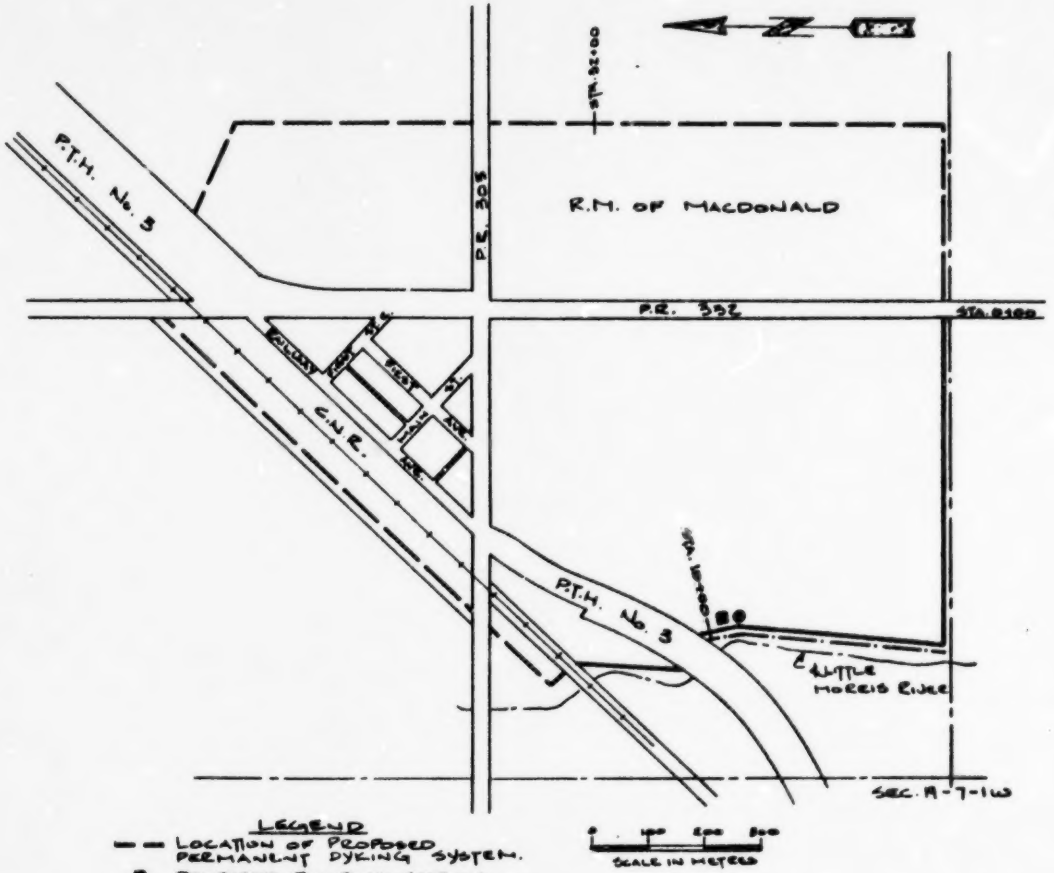


LEGEND

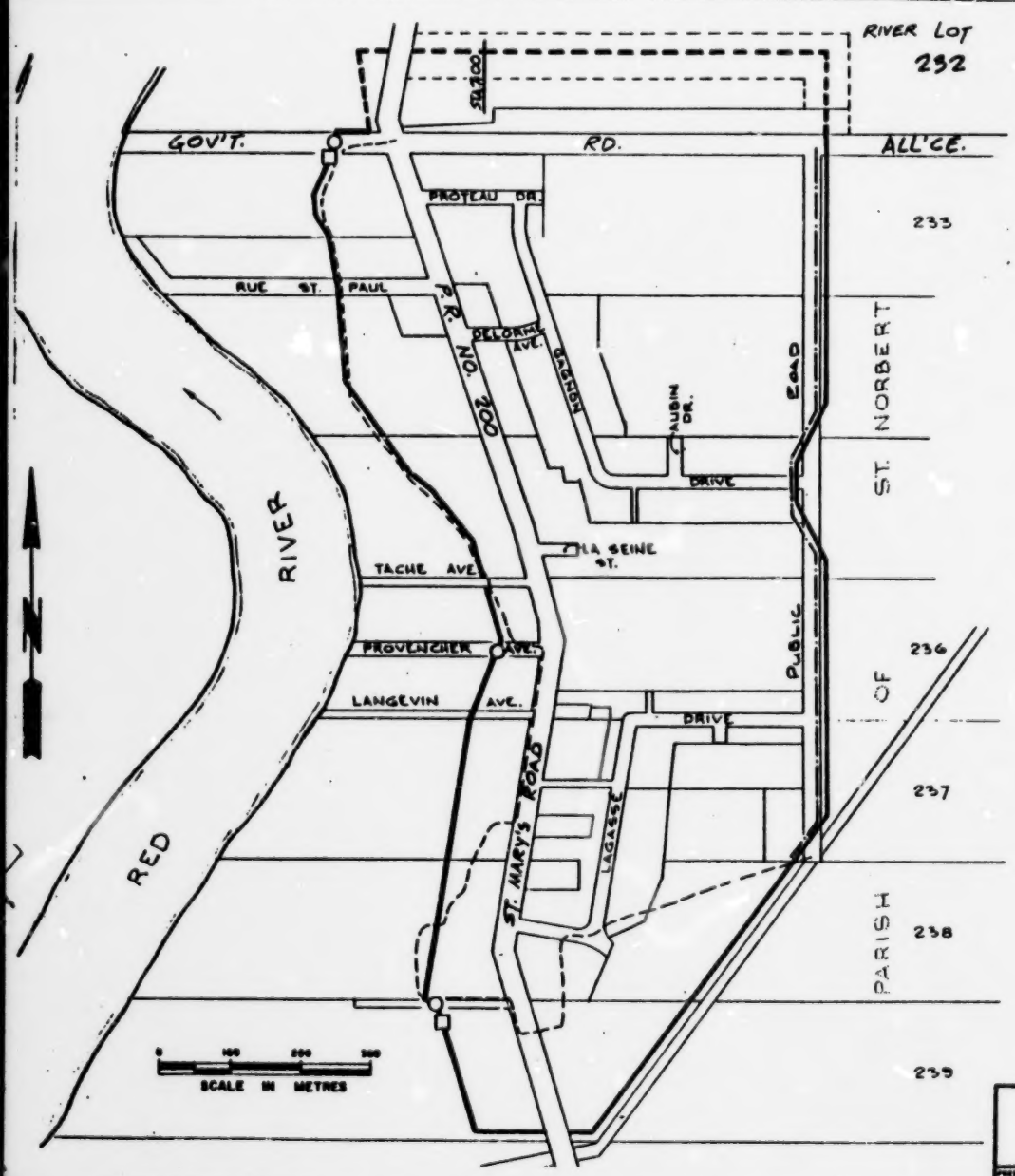
- LOCATION OF PROPOSED PERMANENT DYKING SYSTEM.
- PROPOSED PUMPING STATION.
- PROPOSED GRAVITY OUTLET CHAMBER.
- LOCATION OF PROPOSED GRAVEL SURFACE ROADWAY.
- LOCATION OF PROPOSED UPGRADING OF PERMANENT DYKING SYSTEM.

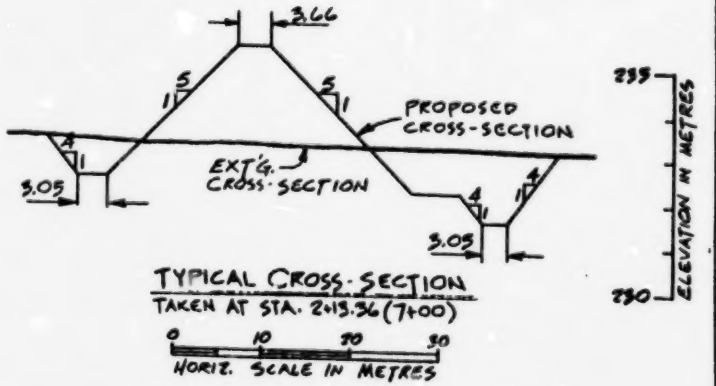
CANADA - MANITOBA AGREEMENT
RESPECTING THE UPGRADING OF DYKES

PROVINCE OF MANITOBA
DEPARTMENT OF NATURAL RESOURCES
WATER RESOURCES BRANCH

LOCATION PLAN AND TYPICAL CROSS SECTIONS FOR VILLAGE OF BRUNKILD

APPROVED	DESIGN C.E.W.	SUBMITTED	APPROVED	SCALE	DATE 81 11 27	SHEET OF	DWG NO
	CHECKED					





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LEGEND

- LOCATION OF PROPOSED UPGRADING OF PERMANENT DYKING SYSTEM.
- LOCATION OF PROPOSED NEW DYKE.
- EXISTING PUMPING STATION.
- EXISTING GRAVITY OUTLET CHAMBER.
- LOCATION OF PROPOSED GRAVEL SURFACE ROADWAY.

PROVINCE OF MANITOBA
DEPARTMENT OF NATURAL RESOURCES
WATER RESOURCES BRANCH

PREPARED | DRAWN F.R. | SUBMITTED | APPROVED
CHECKED

CANADA - MANITOBA AGREEMENT
RESPECTING THE UPGRADING OF DYKES

LOCATION PLAN AND TYPICAL CROSS SECTIONS FOR VILLAGE OF ST. ADOLPHE

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QUALITY

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